



The Halifax Amateur Radio Club

REFLECTOR

PO BOX 663
HALIFAX NS
B3J 2T3

April 2003 Volume 64 Number 4

club address: www.halifax-arc.org



It Is Spring (Isn't it?)



HARC Club Station phone number - 490-6421

See the HARC Web site at: <http://www.halifax-arc.org>

Our executive and committees.

<u>Position Name & Call Sign</u>	<u>Phone #</u>	<u>E-Mail</u>
President - Dick Grantham, VE1AI	434-8046	ve1ai@rac.ca
First V.P. - Fraser MacDougall VE1WO	865-4198	
2nd V.P. - Lynn Bowser, VE1ENT	865-8567	ve1ent@rac.ca
Secretary - Wayne Ernst, VE1GPK	820-2132	ve1gpk@rac.ca
Treasurer - Jeremy Fowler, VE1JHF	835-6651	ve1jhf@rac.ca
Member at Large - Howard Dickson, VE1DHD	823-2024	ve1dhd@rac.ca
Club Station Mgr. - John Goodwin, VE1CDD	865-5731	ve1cdd@rac.ca
Past President - Bill Elliott, VE1MR	865-8567	ve1mr@rac.ca

Committees/Offices/Prime Contacts

Public Relations: Wayne Harasimovitch, VE1WPH	832-3660	ve1wph@rac.ca
IPARN and Brit Fader Memorial QSL Bureau Manager - Bob Burns, VE1VCK	865-9414	ve1vck@rac.ca
EMO Coordinator - Dave George, VE1AJP	466-8723	dgeorge@is.dal.ca
Reflector editor - Lynn Bowser, VE1ENT	865-8567	ve1ent@rac.ca
Reflector Distribution- Tom Caithness, VE1GTC	477-7081	ve1gtc@rac.ca
Membership - Tom Caithness, VE1GTC	477-7081	ve1gtc@rac.ca
Web page - Rob Ewert, VE1KS,	826-1705	ewertr@hfx.eastlink.ca
Basic ham course Coordinator Tom Caithness, VE1GTC	477-7081	ve1gtc@rac.ca
Assistant - John Goodwin, VE1CDD	865-5731	ve1cdd@rac.ca
EMO Trailer Assembly coord - David Musgrave, VE1EDA	435-4333	ve1eda@rac.ca
Flea market Chairman - Dave Nimmo, VE1NN		ve1nn@rac.ca
Field Day coordinator - John Goodwin, VE1CDD	865-5731	ve1cdd@rac.ca
RAC Asst Director - Wayne Marchand, VE1WJM,	860-1580	ve1wjm@rac.ca
NSARA Director - Barry Diggins, VE1TRI	861-3719	ve1tri@rac.ca
Frequency coordinator for Nova Scotia - Bev Reynolds, VE1TL		

GENERAL INFORMATION

TAKE-15 NET:

Sunday evenings at 8:30 PM on
VE1PSR - 147.270 MHz +

SPACE DIGEST: Sunday evenings
following the Take 15 Net.

CLUB REPEATERS:

VE1PSR - 147.270 MHz +
VE1HNS - 146.940 MHz -

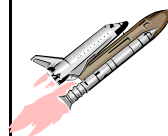
PACKET:

VE1NSD - 145.050 MHz LAN NODE
VE1BBS - Local packet BBS
accessible through the LAN

CONGRATULATIONS

Congratulations to the successful candidates in the recent Basic exam held for the class. 10 class students wrote and passed with a class average of 77%. Also congratulations to Tom Caithness, class co-ordinator and his instructors, a job very well done. Hopefully one of the successful students will take on the job of course co-ordinator for next fall.

The **General Meeting** of the Halifax Amateur Radio Club will take place Wednesday, April 16, 2003 at 1930 hours (7:30 PM), at the former Bloomfield School building (corner of Almon and Agricola streets). The meeting will be held in the Multi-Purpose Room. Our guest speaker will be Wayne Harasimovitch, VE1WPH, talking about ARISS. Guests are welcome.



Wayne, VE1WPH, truly deserves special recognition for both efforts and results. The ARISS display to promote Amateur Radio at the IMAX was great!! It was capped on Sunday by a visit from Canadian Astronaut Chris Hadfield. Thank you also to those who spent time staffing the display. —ed.

Take-15 Net Controllers

NOTE: There have been some changes.

This will be the rotation.

If you cannot take the net on your particular evening get in touch with one of the others and trade places with them. If I have left any one off the list or you want to join, please let Bill Elliott, VE1MR, know.

Apr.	13	Tom	VE1GTC
Apr.	20	Doug	VE1LDL
Apr.	27	Larry	VA1LW
May	4	Herb	VE1HX
May	11	Dave	VE1EDA
May	18	Darryl	VE1DOH
May	25	Charles	VE1MCR

Coming Events

Tune in to the "Space Digest" group, Sunday evenings after the Take-15 Net with Wayne, VE1WPH

EMO Communications Refresher/New – To be held at HRM EMO HQ May 17 and, if necessary, May 31. Start time is 0900.

This is a one-day course and will include a practical session after lunch. Lunch; bring your own or go to a restaurant in the area. Bring your manual if this is a refresher for you.

Please contact Tom Caithness, VE1GTC, by Phone 477-7081 or E-mail ve1gtc@rac.ca Just to let me know you are attending
Tom

The Multiple Sclerosis Super Cities Walk **needs radio-equipped volunteers** on **Sunday, May 4, 2003** starting and finishing at the Dalhousie Arena on South Street in Halifax. Time 9 AM check in 10:30 AM Walk start....

Anyone interested in helping out **please contact Jeremy Fowler, VE1JHF** by Phone at 835-6651 Or E-mail ve1jhf@rac.ca

June (27), 28, 29 - Field Day

July 19 & 20 2003 – Museum of Ships Special Event
John Goodwin is spearheading this
Phone 865-5731
E-mail ve1cdd@rac.ca

MS Bike Tour – August 9, 10, 2003
Contact Rick Gardner, VE1RGG, to get involved.

August – Lunenburg Steak & Salmon Supper.

August – NSARA Picnic

Heads Up – We've been contacted about providing communications in July for a bike tour intended to raise money for children. The event is still in the planning stages. More to follow.



DOWNEAST FLEAMARKET

When: Saturday June 7, 2003 at 10:00 AM talk-in 147.27 +

Where: the HALIFAX FORUM ANNEX (same as last year) Map and directions will be on the HARC web site soon

Admission \$3 for everybody

OPEN at 6:00 AM for sellers, 10:00 AM for buyers.

....suggest buyers do breakfast at Steak & Stein and 3 minute walk back to the Forum

Usual demonstrations & displays... RAC/DXCC card checking/ IRLP, APRS demos, etc.

We are really going to push to get some momentum back into this fleamarket...we hope for computer tables and will not turn away the XYL's who want to bring crafts and baked goods!

Questions
Table reservations....
ve1nn@rac.ca
David S Nimmo, VE1NN

October 7, 8, 9, 2003 – **APCO Conference** - EMO Coordinator, Barry, wants ham presence. 15 or 20 volunteers are needed for Radio & non-radio tasks. In return ham volunteers get free access to the trade show. (e.g. – Drivers with radio communications needed for 2 vans.) Let's take advantage of a free booth to publicize local amateur radio, RAC and the NSARA at the Trade Show which will be part of APCO (Association of Professional Communications Officers) Conference. Contact Dave George, VE1AJP to arrange your spot.
E-mail ve1ajp@rac.ca

*Don't compromise yourself;
you're all you've got. - Betty Ford*



Can You Lend A Hand!

Hams at the Club Station demonstrating our hobby.

Latest demo to a group of 8 girl guides on April 10, 7 to 9 PM

If you can spare a little time now and then, helping out, please give me a call or e-mail."

John Goodwin 865-5731
ve1cdd@rac.ca

Scheduled entertainment for HARC general meetings:

May - Barry Manuel, VE1JRG - EMO and Amateur Radio

June - John Goodwin, VE1CDD - Field Day

September - open at present

October - Fast Scan TV and/or APRS speaker TBA

Some mistakes are too much fun to only make once.

Loyalist City Amateur Radio Club LCARC Fleamarket May 24, 2003
Location: Gondola Point, NB. (Near Saint John, NB).

Time: Vendors 8 am, with public doors open 10 am to 3 pm.

Admission: \$3.00 per person. Tables are free to vendors (please reserve tables in advance).

Information: [HTTP://PERSONAL.NBNET.NB.CA/VE9SAB](http://PERSONAL.NBNET.NB.CA/VE9SAB)

Wayne Sabea VE9SAB@rac.ca
506-832-0998

Phillip Cyr VE1PGC@rac.ca
506-633-1384

Doug Steeves VE9TNT@rac.ca
506-832-4760

- ♦ Field checker VE1JS John will be there to check DXCC cards.
- ♦ RAC and VE9-VY2 QSL bureau will be there.
- ♦ There will be a canteen.
- ♦ Talk-in repeater is VE1EE on 147.270 + MHz.
- ♦ Door prize will be a 2-meter radio, with many other prizes to be given away.

PRESIDENT'S NOTES

April 2003



Things are really happening and I feel the momentum

building. Many members have put forward great efforts in this the year of participation. There are many people to be congratulated on their efforts and achievements. Howard, VE1DHD has done and continues almost super human effort in attempting to improve the structure of our official national body i.e. RAC with a push for constitutional reform. Congratulations Howard!

Wayne, VE1WPH with some assistance has run a very very successful public exposure campaign for Amateur Radio with the excellent display at the IMAX theatre, displaying the potential or space communication with our multi-faceted hobby. Congratulations Wayne!

The Satellite project, headed up by John VE1CDD, with the participation of some 9 members, just constructed and even completed their first Amateur satellite contact from the club station. Well done and congratulations John! There are other things on a hard boil (EMO, APRS, etc.) and I invite all, especially those who have not attended a meeting recently to come along and join in the fun.

Field day will be really different this year, with HARC participating in the new Class F, from the EOC (Emergency Operations Centre) at the Dartmouth Location on Mount Hope Ave. Having completely dominated the 2A class in Canada for many years it is time to move to a new challenge. We are even offering a challenge to other clubs across the country to compete for a plaque sponsored by HARC.

Come along, join in, and see what fun you can have. There is something of interest for everyone.

73 Dick Grantham, VE1AI

Silent Key –

Hazel Madeline, VE1GY

March 22 2003

Born: Milford Station NS

Silent Key –George Comstock, VE1GWC,
of Hantsport N.S.

From the TPN/SB Newsletter
(Week of Mar. 30 2003)

The **theme** of this year's **IARU World Amateur Radio Day** is to be 'amateur radio supporting technology education in the classroom'. World Amateur Radio Day is marked on the 18th of April each year to commemorate the anniversary of the founding of the International Amateur Radio Union on that date in 1925. Ole Garpestad, LA2RR, the Chairman of IARU Region 1 writes: "There is no doubt that the future of amateur radio belongs to those that are now in the classroom. In keeping with this theme, I would like to encourage every society in the Region to let our young people know that amateur radio is a unique hobby - simultaneously sport, scientific study, personal pleasure and collective activity. And that radio amateurs today are voluntary and selfless researchers in the technological field of amateur radio, an important resource to every country, and something to be proud of. But the 18th of April is not only a day to think about our future, it is our day, a day for celebration. All of us, societies and individuals, can celebrate in our various ways - organizing presentations, club meetings, parties, honouring senior radio amateurs who go back to the early years of IARU, or just putting our equipment on the air and making just a single QSO on this day, so realizing how large our ham community is."

From the ARRL Letter, Vol. 22, # 13, Tom Atkins, VE3CDM, elected to Canadian Amateur Radio Hall of Fame: Former International Amateur Radio Union Region 2 President Tom Atkins, VE3CDM, has been elected to the Canadian Amateur Radio Hall of Fame. In making the announcement, Board of Trustees Chairman James R. Hay, VE2VE, cited Atkins' extensive contribution over many years to Canadian and international Amateur Radio activities. Current Region 2 President Pedro Seidemann, YV5BPG, called Atkins' election "a very deserved honor indeed!"

From the ARRL Letter, Vol. 22, No. 14, *
STORY Sudan operation is QRT: The STORY Sudan DXpedition shut down this week, a bit earlier than expected, after logging more than 49,000 QSOs. Pilot station, Bernd Koch, DF3CB, says the last QSO was March 31 at 1745 UTC, a bit earlier than expected. "The last news and logs were sent from an Internet cafe in Khartoum," he said. DF3CB has prepared an online QSL request form for those seeking STORY cards via the bureau. It's available on the STORY Sudan DXpedition Web site <<http://www.df3cb.com/story>>, which includes more information and photos. STORY was active in the CQ World Wide WPX SSB contest over the March 29-30 weekend. Demand for STORY was heavy. Most-wanted lists put Sudan in the top 20.--some information from The Daily DX <<http://www.dailydx.com>>

Early Canadian radio clubs:

Nova Scotia Amateur Radio Association 1956/57

Keith Rogers Memorial Radio Club, P.E.I. – early in 1954. They acquired the late Keith Rogers call, VE1HI for the club station

The Quebec radio Club founded at the end of March, 1926. During the first years of its existence was composed entirely of radio broadcast listeners.

From the Mail

Good day gentlemen.

We are trying to maintain an SSTV net on 75 metres. We have been holding the net on Wed evenings at 730 but the quality of the pictures sent is not the best and what we would like to see.

For the past three weeks we have held the net at 2 PM on Saturday on 3863 and the pictures have been excellent quality, the band is quiet, and doesn't have the regular 75m evening conditions that will effect SSTV transmissions.

My reason for this email is to ask if you would spread the word around your clubs, your community and your amateur friends, regarding this net and this mode, and for anyone interested in SSTV, or presently running SSTV to come and check in to our net and visit with us. Heck, just check in and have a chat.

All the regulars are very willing to assist others in their SSTV operating if they have some irregularities they are trying to cure or just make operating a bit more enjoyable.

Any effort you make in this direction is greatly appreciated.

Thank you for your time.

Murry, VE9MB

Repeat notice The codes for the Environment Canada weather on the IRLP node:

30 to bring up the current conditions

35 to bring up the forecast.

Shuttle Mission audio will be accessible by dialing 9252 during mission times. (Puts the node in listen mode only, so any activity locally won't interfere.)

Users listening should be mindful of others that may want to use the repeater.

73-- Rob VE1KS

A big thanks to Andy George at Environment Canada for allowing us access to their weather files..

From the ARRL Letter, Vol. 22, #. 07
AMATEUR RADIO'S PUBLIC SERVICE STORY IS NOW AVAILABLE ON VIDEO!

An updated Amateur Radio Today video now is available for free downloading from the ARRL Web site

<http://www.arrl.org/ARToday/>

The MPEG-format file is 70 Mbytes.

Narrated by former CBS News anchorman Walter Cronkite, KB2GSD, Amateur Radio Today showcases the public service contributions made by hams throughout the country. Highlights include ham radio's response on Sept. 11, 2001, ham radio's part in helping various agencies respond to last year's wildfires in the Western US, and ham radio-in-space educational initiatives. Directed by Dave Bell, W6AQ, Amateur Radio Today was written by Alan Kaul, W6RCL. The production team included Bell and Kaul as well as Bill Pasternak, WA6ITF, and Bill Baker, W1BKR. Editor - Keith Glispie, WA6TFD.

Amateur Radio Today is an ideal presentation for clubs, government meetings, civic organizations and any other venue where you want to vividly illustrate what Amateur Radio has to offer the public. The video runs just six minutes and is available in several formats. The digital version of Amateur Radio Today is available in MPEG video format, which can be played by Windows Media Player, Apple QuickTime or RealPlayer software. It can be run from the CD or copied to your hard drive (not included).

This copyrighted program is not intended for broadcast use (including over-the-air, cable or Internet) and may not be reproduced or distributed without permission. You also can order Amateur Radio Today on CD-ROM and VHS tape. The CD-ROM version requires software that can play MPEG files installed on your computer.

RAC's web site is www.rac.ca

Museum of Ships Special Event
July 19 & 20, 2003



Three ships in Nova Scotia (Halifax & Bridgewater) are eligible for participation in this event.

EVENT FREQUENCIES

While the participating ships will use any valid amateur frequency the ships will try and stay near the following frequencies:

SSB	CW
3,860 KHz	3,539 KHz
7,260 KHz	7,039 KHz
14,260 KHz	10,109 KHz
18,160 KHz	14,039 KHz
21,360 KHz	18,099 KHz
24,960 KHz	21,039 KHz
28,360 KHz	24,899 KHz
50,160 KHz	28,039 KHz

EVENT PSK 31 OPERATIONS

14.070	MHz
10.142	MHz
18.100	MHz
21.070	MHz
28.120	MHz



Ships using Original Equipment Frequencies will be given out at later date.

John Forrest Jr., VA3USN/XJF
HMCS Haida G-63
e-mail address
va3xjf@aol.com



HARC Tube Bank Anyone looking for a particular tube or tubes should contact the Tube Bank Managers Amy Cohoon, Ashley Cohoon or Kim Carter by e-mail at

tubes@37.com

or snail mail:

99 Hyson Point Rd.
Mahone Bay, N.S. B0J 2E0

There is a nominal charge if we can supply the tube wanted.

Shipping/mailing is extra..



Hallo all fellow Ham's:

The Eastern Shore Amateur Radio Club is proud to officially announce its introduction to Echo Link. Friday, March 14, 2003 VE1ESC started operating.

Echo Link will make it possible for all Amateur Radio Operators, (HAM's) on 2 meters and on their Computers to use this kind of communications. This is not a replacement or should it be so, but another mode of communication for those who wish to use this form of communication. An enhancement, another complement to Amateur Radio.

When Echo Link is on, the three Repeaters will be in use.

VE1MHR in Musquodoboit Harbour
VE1ESR at Marinette in Sheet Harbour.

VE1SAB on Cochran Hill just 14 km. north of Sherbrooke.

The Eastern Shore Repeater System will acknowledge Echo Link only at certain times of the day. That will be determined by the Sys Operator and a few Assistant Sys Operators.

As you may be aware, Echo Link Enhanced Linking Interface is operated on my Computer, VE1EEE from my home. I am only too happy to have Echo Link Enhanced Linking Interface on my system, but there will be times that I will be making use of my computer when Echo Link will not be feasible to use. Echo Link on The Eastern Shore Repeater System should be on anytime after 6:30am. and periodically on and off during the day. Shut down will be no later than 10pm. Testing out this new system will take some time.

Echo Link will be closely monitored when being used on OUR Eastern Shore Repeater System. Any inappropriate transmissions on this system will be dealt with by the Sys Operator at his discretion.

While using Echo Link and you wish to use our repeater system, look for our station at the top section in Green under Repeaters; VE1ESC-R. If you

do not see it on there, then of course it is off air.

There will be some testing and tweaking of this system for several more days to have everything working super fine.

This week has been an interesting and learning week for me working on this system. First problem was the Sound Card in my computer that was not compatible with Echo Link. Replaced the Sound Card with a Sound Blaster Live. That took care of that. Then on to setting up a J Pole and working on a SWR problem. Bought new Coax and solved that problem. Phase three, installing the Interface Card for Echo Link. I completed the installation on Friday.

While all this work was done at my home by myself, I would have not been as successful as I was if it had not been for my trusted fellow Ham, VE1FV, Howie Henderson. With his patience and a year experience on Echo Link and our persistence, this system may not have gotten off the ground. Thanks sooo much Howie. J

If anyone has any suggestions, comments or information, please direct them to me at;
joseph@accesswave.ca

73' Enthusiastically yours,
Joe Bellefontaine VE1EEE

ECHO LINK

The New and improved version of EchoLink was released March 18th. with all the BUG Fixes. Make sure to keep your present version and install right over it. That way all your configurations will be kept. If you have not downloaded Echo Link before, go to their WEB site and register at;
<http://www.synergenics.com/el/>
Version 1.6.848 can be received by bringing up EchoLink and going to; HELP, then click on

Software UpDates.

73', Joe Bellefontaine, VE1EEE

From the ARRL Letter, Vol. 22, # 11
Digital Communications Conference issues first call for papers: TAPR and ARRL have issued the first call for papers for presentation at the 2003 Digital Communications Conference. The 22nd annual conference will be September 19-21 at the Marriott Hartford Windsor Hotel near Hartford, Connecticut. Paper topics could include software defined radio, digital voice, digital satellite communications, GPS, APRS, DSP, HF digital modes, Internet interoperability, spread spectrum and 802.11 technologies, using Linux in Amateur Radio, updates on AX.25 and other wireless-networking protocols. Presentation at the conference is not required for publication. The deadline to submit papers for consideration is August 5. Submissions may be sent either by e-mail or postal mail to Maty Weinberg, KB1EIB, ARRL, 225 Main St, Newington, CT 06111. The DCC is designed for all levels of technical experience, not just for the expert, and is meant to be a weekend of fun and learning for all who have more than a casual interest in any aspect of amateur digital communications. For more information on the DCC, visit the TAPR Web site <www.tapr.org/dcc/index.html>.

*There is a very fine line between
"hobby" and "mental illness."*

From the ARRL Letter, Vol. 22, No. 12, March 21, 2003
The third edition of The Art and Skill of Radio-Telegraphy by the late Bill Pierpont, N0HFF, remains available. A spiral-bound, compact-print book, measuring 5-1/2 by 8-1/2 inches, is now in its sixth printing from the Radio Amateur Educational Society (RAES) <raes@sas.ab.ca> in Edmonton, Alberta. A giant-print edition also is available, as well as a free downloadable version. Visit the RAES Web site <<http://www.raes.ab.ca/book.html>> for details. The FISTS CW Club is scheduled to have a fourth edition available at Dayton Hamvention.
--Ken Pierpont, KF4OW; Mike Dinelli, N9BOR

Halifax Amateur Radio Club Minutes of the General Monthly Meeting March 19, 2003

The meeting was called to order at 1930 Wednesday, March 19, 2003 by President Dick Grantham (VE1AI) with Howard, VE1DHD, acting as secretary.

Executive in attendance:

Treasurer, Jeremy Fowler (VE1JHF)
Past President Bill Elliot VE1MR
Member at Large Howard Dickson (VE1DHD)
Station Manager, John Goodwin, VE1CDD.

President Dick thanked Dave (VE1NN) for a very successful HAM Breakfast in February, and thanked Howard (VE1DHD) for his February presentation on RAC Constitutional Reform. He went on to report that Dave (VE1NN) had found it necessary to resign as Flea Market Chair in light of his new responsibilities as RAC Atlantic Regional Director. There was a general round of applause and well wishes for Dave in this important role at RAC. A call was made for volunteers to take over as Flea Market Chair. Parties interested in volunteering for this important role were asked to contact the President directly.

There were no silent keys to report this month. Two visitors to the club meeting were introduced.

Minutes of the February Meeting – a motion was made by Joe VE1CH and seconded by Win VE1WIN to accept the February Minutes as published in the HARC Reflector. Carried.

REPORTS:

Treasurer's Report – Jeremy reported a current account balance of \$2835.69 with \$907.00 in outstanding cheques that had not yet been cashed. A motion to approve the report of the Treasurer was made by Tom VE1TA and seconded by Terry VE1TRB. Carried.

Search & Rescue – Dave VE1AJP reported a quiet month for the Search & Rescue team, with surprisingly nothing to report.

EMO – Dave VE1AJP reminded club members of the upcoming APCO Conference for professional communications people that will take place at the Word Trade and Convention Centre between the 14th and 16th of October 2003. There will be a large communications trade show and many seminars associated with the conference. Dave indicated that there will be a significant role for local radio amateurs in staffing the Dispatch Centre, driving shuttle vehicles; and staffing the Meet & Greet area. Dave requests that interested amateurs contact him by email – VE1AJP@RAC.ca. He needs about 20 volunteers for this event. Radio amateurs will have a visible presence at the NSARA and RAC booths and at a local radio amateur display that is being developed.

EMO Report – a brief report on upcoming EMO activities that will involve radio amateurs was given by Bill Galloway (VE1WWG), President of the Dartmouth ARC and HRM EMO Amateur Radio Communications Coordinator. In light of the US-Iraq war that was expected to begin that evening, Bill urged all radio amateurs with emergency communications training to ensure that their equipment was in good working order just in case a call-out was initiated. Bill informed the membership that Barry Manual of the HRM EMO was planning an EMO SimCell exercise during the week of March 24th. Dick (VE1AI) commented that we need to get our "Call-Out Sheets" updated.

Club Station Report – John VE1CDD informed the meeting that a new base was going to be installed on the roof of the Bloomfield Centre to support the tower and satellite antenna that will soon be installed. John gave notice that he will request some funding support for this project under New Business.

Membership – Tom VE1GTC reported 2 Life Members; 25 Associate Members; 78 Full Members, with 2 new membership applications having

been received this evening, for a total of 109 paid-up HARC Club members for 2003. Tom, along with Wayne (VE1WPH) have produced and are in the process of distributing individualised parchment membership certificates to all paid-up members. President Dick commended Tom and Wayne for a job well done.

Public Relations – Wayne VE1WPH reported on the amateur radio satellite display that he has developed for public viewing at the IMAX Cinema in relation to the showing of the IMAX 3-D movie on the building of the International Space Station. Amateur radio communication is prominently acknowledged in the movie. Wayne reported that approximately 25,000 people have attended this movie and have been exposed to our display during the first two weeks of the showing. Wayne also reported that the formal School-Space Station amateur radio contact program has been expanded to include community colleges and that there have now been 91 official contacts with school children, and a long list of interested schools exists. Wayne indicated the extent of interest in the Halifax Space Station project by informing the group that the ARRL is writing a story on the Halifax experience to be published in QST and/or the ARRL Newsletter. Finally, Wayne indicated that a recent commitment by the Canadian Space Agency to bring Astronaut Chris Hadfield to speak at the Sir John A. McDonald High School in Halifax in early April is extremely exciting. Wayne will be given an opportunity to lead an extended discussion on the International Space Station at the next club meeting in April.

Letter to Lapsed Members – President Dick reported that a final version of the letter that is intended to encourage former members of the HARC to return to active membership. That letter will be sent out in the next month.

OLD BUSINESS:

(Continued on page 7)

Satellite Project – John (VE1CDD) reported that this project is off and running with 9 members participating. A work party hopes to build a new base to support the satellite antenna system on the roof of the Centre this coming weekend if funds are approved.

Field Day – John, VE1CDD, Field Day Chair, reported that ARRL and established an new category for Field Day 2003. The new “F” Class is similar to the current “A” Class except that the communications site must be established within an existing EMO facility. Given the outstanding collaboration that exists locally between radio amateurs and the EMO, and in light of the enthusiasm displayed by HRM EMO Co-ordinator Barry Manual, there was strong agreement at the meeting for the Halifax Club to move from the 2A to the 2F Class for the 2003 field day – moved by John, VE1CDD; seconded by John, VE1DD; carried unanimously. There was also support for the Halifax Club to purchase a new 2F challenge plaque that would be given to the top-scoring 2F Field Day competitor – moved by George, VE1CAW, and seconded by Doug, VE1LDL, carried unanimously.

APRS and Fast-scan TV Projects – John, VE1CDD, reported that these two projects have been slow to take off. Dave, VE1ADH, agreed to contact a couple of the local fast-scan experts to request their assistance. Dave, VE1EDA, agreed to head up the APRS group and get it rolling. President Dick thanked Dave for taking this on.

President’s Report – Dick reported a very successful open-house at the Dartmouth ARC which is located within the EMO building, with over 50 visitors. He also reminded members of the upcoming EMO communication training session that Tom, VE1GTC, will put on in early April. John, VE1CDD, and Win, VE1WIN, have both been appointed as Assistant EMO Emergency Co-ordinators.

NEW BUSINESS:

Election of 1st and 2nd V-Ps – because of the recent departure from the region of our 2nd V-P Trevor KA8ZUO and the resignation of 1st V-P Murray McDonald, Bill Elliott, VE1MR, was asked to take over the election process for these two vacant positions. Bill reported that he had two people volunteer for these positions, and as there were no further nominations from the floor, Fraser MacDougall, VE1WO, was acclaimed as 1st V-P, and Lynn Bowser, VE1ENT, was acclaimed as 2nd V-P. President Dick personally congratulated both V-Ps and thanked them for taking on these important roles within the HARC.

Satellite Tower Base – it was moved by John, VE1CDD, and seconded by Barry, VE1TRI, that approval be given to spend up to \$500 for materials and supplies needed to complete the production of a solid base on the roof of the Centre to support the tower and antenna for the club satellite system. Carried.

Portable Poster Boards – Dave, VE1AJP, and Win, VE1WIN, showed a prototype of a portable poster board that Win had developed for use by club members wishing to promote amateur radio by display visuals or equipment at public events. The estimated cost to produce each display unit was stated to be \$45. A motion was moved by Win, VE1WIN, and seconded by Dave, VE1AJP, to approve up to \$200 to create three additional units; the first prototype will be donated to the Club by Win. Carried.

Climbing Safety Course – it was moved by Bill, VE1MR, and seconded by John, VE1DD, that the Club cover the registration cost of \$95 for Terry VE1TRB to attend a local course on Fall-arrest Climbing Technique. Following some discussion an amendment was moved by Tom, VE1TA, and seconded By Dave, VE1EDA, that two members be sent on this course – Terry and Pat, VE1PHK,. Carried.

The formal part of the meeting was

adjourned at 2102 on a motion from David, VE1EDA.

50/50 was won by Doug, VE1LDL
Door prize won by Shirley, VE1JFG

Speaker – Bill Galloway, President of the Dartmouth ARC gave an excellent talk on Magnetic Antennas – the ideal antenna for apartment dwellers.

Submitted by
Howard Dickson, VE1DHD

From the ARRL Letter, Vol. 22, No. 14,
April 4, 2003

Cingular Wireless has cited an ARRL position in a recently filed Supplement to Petition for Reconsideration regarding the FCC's Ultra-Wideband (UWB) proceeding. "The fatal flaw associated with unlicensed operations has already been raised by the American Radio Relay League (ARRL)," Cingular said. Cingular was referring to the League's February 2002 Petition for Reconsideration in ET Docket 98-156. In that docket, the FCC proposed allowing Part 15 fixed point-to-point transmitters in the 24.05 to 24.25 GHz band to operate at field strengths of up to 2500 mV per meter, in response to a Petition for Rule Making from Sierra Digital Communications Inc. "It would be arbitrary and capricious for the Commission to permit additional unlicensed operations--such as UWB--without addressing the statutory basis for such operations," Cingular continued. The ARRL has maintained that unlicensed devices that pose likely risk of interference to licensed services should be licensed. The wireless service provider asserted that under Section 301 of the Communications Act, "UWB devices require licenses." Cingular argued in its supplementary petition that operation of UWB devices is likely to be widespread and unsupervised and that licensed operators will not be able to identify interfering parties that are non-compliant with the Part 15 rules that regulate unlicensed devices. Concluded Cingular: "The Commission's authority to permit unlicensed, intentional radiators such as UWB is therefore non-existent."

From the Mail

Just received the March Reflector today - as usual it is great. I did notice one mistake though. Hiram Percy Maxim, founder of the ARRL, did not invent the Maxim machine gun. His father, Sir Hiram Stevens Maxim, can claim credit for that. Born in Sangerville Maine in 1840, the elder Maxim began his career as an inventor before moving to England and inventing the Maxim machine gun in 1884. Among his numerous other inventions were smokeless gunpowder, a delayed-action artillery fuse, and an airplane. His arms company was consolidated in 1896 with the Vickers firm, still a major British arms and shipbuilding conglomerate. He became a British subject in 1900, and was knighted in 1901.

Hiram Percy Maxim was born in Brooklyn NY in 1869, but did not follow his father to England. Instead, he graduated from the Massachusetts Institute of Technology and held several positions as a mechanical engineer. He inherited his father's genius for invention however, and created many new gadgets, the best known of which was the silencer for pistols and other small arms. Of course, it was adapted for many other purposes, including mufflers for engines. Well before he founded the ARRL, H.P. Maxim was recognized as an expert in acoustics.

Maybe it was just a fluke or maybe it was in the genes, but the Maxim family seemed to produce a lot of smart people! Sir Hiram Steven Maxim's brother, Hudson Maxim (1853 - 1927), became a chemist and developed a high explosive (maximite), several smokeless powders, and a self-combustive compound used to propel torpedoes.

73 Al VO1NO / W0

More Mail

It is obvious to me that there is something VERY wrong with the operations of RAC and nothing is being done to correct the wrong. It is imperative that we have a strong, united and purposeful organization for all Canadian Amateur Radio Operators across ALL of Canada. RAC is not fulfilling that requirement, therefore, please accept this email as an indication of my extreme dissatisfaction with the current state of RAC to the Board and Executive, and my full support of Howard's (VE1DHD) proposed reforms.

Bill Galloway VE1WWG



The following opinions are those of the Reflector editor only. So address any comment or criticism of these remarks to me, Lynn, VE1ENT. And if you have comments that you would like to see printed in the Reflector, please send them to me.

*I hope I'm correct to state that Amateur Radio is your hobby and you have spent many enjoyable hours pursuing it and look forward to many more (?) For too many it's your hobby but you don't have the time or inclination to attend club meetings or belong to NSARA or RAC because after all, that's boring and sometimes gets into politics which makes you want to retch and all politicians are ... And you don't bother to make the effort to be counted in the battle to keep spectrum for amateur radio because "someone" will do it. Well frequency spectrum is a resource whose value in the eyes of industry is increasing. There is money involved. And the only voice of Amateur Radio in Canada that our government says it will listen to is RAC. It's up to you to make sure that RAC says the "right" things. And NO the fight can't be won once and for all!!! But we can lose and be limited to mere scraps of spectrum.... Look in the mirror. "Someone" is looking back at you. **GET INVOLVED.***

The following is an example of involvement the ARRL is urging for U.S. Amateur Radio operators. -ed.

From the ARRL Letter, Vol. 22, No. 08, February 21, 2003
AMATEUR RADIO SPECTRUM PROTECTION ACT REINTRO-
DUCED IN US HOUSE

The Amateur Radio Spectrum Protection Act has again been introduced in the US House of Representatives. The measure is an ARRL legislative initiative. Florida Rep Michael Bilirakis put the latest version of the bill, HR 713, into the legislative hopper on February 12. It has been referred to the House Committee on Energy and Commerce. When last introduced in 2001, the measure was known as HR 817.

HR 713 is aimed at ensuring the availability of spectrum to Amateur Radio operators. It would protect existing Amateur Radio spectrum against reallocations to or sharing with other services unless the FCC provides "equivalent replacement spectrum" elsewhere. Bilirakis, has twice before sponsored similar legislation at the League's recommendation. A Senate version of the bill is pending.

The measure would amend the Communications Act to require the FCC to provide "equivalent replacement spectrum" to Amateur Radio and the Amateur-Satellite Service in the event of a reallocation of primary amateur allocations, any reduction in secondary amateur allocations, or "additional allocations within such bands that would substantially reduce the utility thereof" to amateurs.

The ARRL is urging members of the Amateur Radio community to contact their representatives in Congress and request that they co-sponsor HR 713. Experience has shown that, while most members of Congress understand and appreciate the benefits of Amateur Radio, some may be reluctant to sign onto a technical piece of legislation without some indication of support from their own constituents. A sample letter is available on the ARRL Web site.

The text of HR 713 is available via the Thomas Web site

<http://thomas.loc.gov/>

Enter "HR713" in the "Bill Number" window.

Satellite Interest Group at the HARC Club Station

Lots was accomplished at the March 22 antenna-raising. The weather even cooperated (wasn't windy, rainy, snowy or below freezing). Platform, tower section and satellite antenna were put in place.

The first satellite contact was made April 4 with Bill, VE1MR. Not exotic perhaps, but SUCCESSFUL!!

From the ARRL Letter, Vol. 22, No. 14, Baghdad ham club station dismantled prior to bombing: The Daily DX <<http://www.dailydx.com>> relays information from Diya Sayah, YI1DZ--one of the primary operators at the Baghdad Radio Club YI1BGD station in Baghdad. Sayah reported just prior to the outbreak of hostilities in Iraq that he had dismantled the YI1BGD station equipment and stored it in a safe place--if there can be such a location in the besieged capital city at this point. The Daily DX Editor Bernie McClenny, W3UR, says he doubts there will be any activity in the near future from YI1BGD "much less any other YI stations." The YI1BGD club station went on the air in the 1970s. The Iraqi Association for Radio Amateurs (IARA) remains an International Amateur Radio Union (IARU) member-society. Its president is Adnan M. Aswad, YI1DX.

From the ARRL Letter, Vol. 22, No. 10, The North Coast Contesters have announced that tickets for the 11th annual Dayton Contest Dinner now are on sale. The dinner will be held Saturday, May 17, 6:30 PM, at the Crowne Plaza Hotel in downtown Dayton. Seating is limited, random and not reserved. All dinner ticket orders are handled exclusively by Craig Clark, K1QX, Radioware and Radio Bookstore, PO Box 209, Rindge, NH 03461 <<http://www.radio-ware.com>>. Order tickets weekdays by calling toll-free 800-457-7373 or via e-mail <jcclark@prexar.com>. Major credit cards are accepted.

Do you take your map of the world for granted when you check your latest DX contact's position in the world?

The first maps ever recorded were made 4,500 years ago on engraved tablets of clay. The ancient Greeks 2,000 years later deduced that the earth must be a sphere and by 150 B.C. a Greek named Hipparchus had divided its circumference into the 360 degrees of latitude & longitude we still use today. 300 years later Claudius Ptolemy of Alexandria laid down the system of parallels and meridians which is the basis of all map work.

For many centuries the work of mapmakers involved time consuming exploration often in, at best, uncomfortable and, at worst, highly dangerous conditions then painstaking observation, calculations and drawing. Satellites have finally allowed us to fill in many of the blank spots on world maps.

10 Reasons Why God Created Eve

10. God worried that Adam would be lost in the Garden of Eden because he wouldn't ask for directions.



9. God knew that someday Adam would need someone to hand him the TV remote. (It has been noted that men don't want to see what's ON TV; they want to see WHAT ELSE is on.)

8. God knew that Adam would never make a doctor's appointment.

7. God knew that when Adam's fig leaf wore out, he would never buy a new one for himself.

6. God knew that Adam would not remember to take out the garbage.

5. God wanted man to be fruitful and multiply, but he knew Adam would never be able to handle labor pains and childbirth.

4. As "keeper of the garden," Adam would need help in finding his tools.



3. Adam needed someone to blame for the Apple Incident, and for anything else that was really his fault.

2. As the Bible says: "It is not good for man to be alone."

1. And the No. 1 reason of all [*Tada, drum roll, fanfare, etc.*] God stepped back, looked at Adam, and declared: "I can do better than that."

From the ARRL Letter, Vol. 22, # 11
March 14, 2003

WILL HAM RADIO IN THE U.S.A. BE SHUT DOWN IF WAR IS DECLARED

Some amateurs have been wondering if the FCC will shut down Amateur Radio in the USA in the event that war breaks out in the Middle East. The short answer is "no."

Just prior to the Gulf War, §214.4(b) (4) of Title 47 of the Code of Federal Regulations was deleted. This section had mandated the closing of all Amateur Radio stations except Radio Amateur Civil Emergency Service (RACES) stations in the event that the president proclaimed a war or national emergency. The last time Amateur Radio was shut down was during World War II, although the FCC continued to give Amateur Radio examinations.

While the Amateur Radio Service will not automatically be shut down if the president invokes the War Powers Act, Amateur Radio licensees must continue to observe any directives the FCC may issue in the interests of national security and of making spectrum available for government use.

The FCC is directed to work in coordination with the National Telecommunications and Information Administration (NTIA) to issue "appropriate rules, regulations, orders and instructions" for use of the spectrum "as may be necessary to ensure the effective use of those portions of the radio spectrum shared by government and non-government users. "US Amateurs share most UHF allocations with the US government.

Agencies rely on civilian radio operators in crises – Staff Report, The Associated Press 03/19/2003

With the possibility of additional terrorist attacks on U.S. soil, emergency management coordinators and government agency personnel say amateur radio operators remain a vital part of the nation's homeland security network.

It's a familiar role for the operators, known as "hams," who have established backup radio communications during 9/11, severe weather and other emergencies.

Most recently, ham radio operators helped in the search for debris from the doomed space shuttle Columbia last month after it disintegrated over North Texas last month.

"On the surface, they may not seem important, but in my business, they're critical," Pat McMacken, Irving's emergency management coordinator, told The Dallas Morning News in Wednesday's editions. "I'd never go into an emergency without them. You never know what's going to happen."

Hams helped emergency officials in New York City after the Sept. 11, 2001, terrorist attacks. As in other crises, the volunteers traveled to the scene, set up equipment and worked as couriers for rescue agencies, taking and transmitting messages. They are on agencies' lists for callout if terrorists decide to attack during American military forces' activities in the Middle East.

Disasters can strike in remote areas where electrical power is unavailable or unreliable. During crises, telephone lines quickly become jammed and computers crash.

Hams serve as backups for emergency agencies when other communication lines fail. City officials and rescuers rely on hams because radio equipment is expensive and requires expertise to operate. Hams, who must pass exams to become certified and operate on specific frequencies, keep track of communications technology that has not been outmoded by cellu-

lar phones and the Internet. Cities are encouraged by the federal government to use ham radio operators for support, said Don Jacks, spokesman for the Department of Homeland Security.

Texas' Division of Emergency Management endorses hams as an official resource during emergencies. They are critical during a disaster because they're mobile, said Bill Gross, Dallas' coordinator of emergency preparedness. "It's a good tool to have when all else fails,"

The Dallas-Fort Worth Hospital Council is recommending that hospitals train employees to become hams. They would then help hospitals contact medical vendors to order supplies and communicate with other hospitals to determine patient flow, said Paulette Standefer, the council's executive vice president.

She said some hospitals are buying radio equipment and towers.

Scattered across rural East Texas, shuttle debris has been difficult to locate and hams have helped speed the recovery process, said Nacogdoches County Sheriff Thomas Keress.

"They became a vital link in our operation," he said. "Without the ham radio operators, we simply would not have had communication capabilities in certain areas."

Charles Hargrove, New York City's district emergency coordinator for the American Radio Relay League, oversaw 275 hams who staffed shelters at city schools after the World Trade Center attack. Hams communicated with the Red Cross to request food, personnel, nurses and baby supplies.

"When (the twin towers) came down, the guts of the communications infrastructure of New York City was wiped out," he said. "It took something like this to prove that if you rely on an infrastructure that you have no way of controlling, then you're hostage."

Information from: The Dallas Morning News

From the ARRL Letter, Vol. 22, # 11 March 14, 2003

Space symposium issues call for papers: The 2003 AMSAT-NA Annual Symposium has issued a first call for papers to be presented at the conference, set for October 17-19 in Toronto, Ontario. Authors may present their papers during the symposium or simply offer them for inclusion in the symposium Proceedings. Subject matter should be of general interest to Amateur Radio operators involved in satellite communications. Suggested topics include operating techniques, antenna design and construction, spacecraft design and construction, current mission status, proposed satellite missions, and telemetry acquisition and relay. The deadline to submit abstracts is June 15. Copy-ready papers are due by August 15. Electronic submittal is preferred in MS-Word format to Wayne Chandler, VE3WHC at ve3whc@amsat.org

From the ARRL Letter, Vol. 22, No. 02 The Maritime Mobile Service Network (MMSN) marked its 35th anniversary on January 3. The net now operates on 14.300 MHz. According to Bobby Graves, KB5HAV, (the nets schedule coordinator and Webmaster) the net's original purpose was to assist those serving in the US military during the Vietnam War. In its early years, the MMSN saw a lot of phone patch traffic. "Our primary purpose now is that of handling legal third-party traffic from maritime mobiles, both pleasure and commercial, and overseas deployed military personnel. He said the net also helps missionaries in foreign countries. The MMSN has grown from its original nine founding members to nearly 60 net control stations and relief operators. It has been instrumental in handling hundreds of incidents involving vessels in distress. During severe weather, the net also acts as a weather beacon for ships and relays weather warnings and bulletins from the U.S. National Weather Service and National Hurricane Center.